

FUEL CELL USING NON-LINEAR POSITIVE
TEMPERATURE COEFFICIENT MATERIAL

ABSTRACT OF THE DISCLOSURE

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A fuel cell (200) includes a membrane electrode assembly (210) located together with a layer of porous, z-axis electrically conductive, non-linear positive temperature coefficient (NPTC) material (250). The NPTC material (250) operates to selectively limit the amount of electrons collected from localized areas of the
10 membrane electrode assembly (210) in order to reduce hot spots.